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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/499,662

OIPE

TECH CENTER 1600/2900

DATE: 03/02/2000

TIME: 11:52:58

Input Set: I499662.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

1 <110> APPLICANT: Serizawa, Nobufusa  
2 Haruyama, Hideyuki  
3 Nakahara, Kaori  
4 Tamaki, Ikuko  
5 Takahashi, Tohru  
6 <120> TITLE OF INVENTION: Anti-Fas Antibodies  
7 <130> FILE REFERENCE: 980126CIP/HG  
8 <140> CURRENT APPLICATION NUMBER: US/09/499,662  
9 <141> CURRENT FILING DATE: 2000-02-09  
10 <150> EARLIER APPLICATION NUMBER: US 09/053,583  
11 <151> EARLIER FILING DATE: 1998-04-01  
12 <160> NUMBER OF SEQ ID NOS: 165  
13 <210> SEQ ID NO 1  
14 <211> LENGTH: 10  
15 <212> TYPE: PRT  
16 <213> ORGANISM: Homo sapiens  
17 <400> SEQUENCE: 1  
18 Arg Thr Gln Asn Thr Lys Cys Arg Cys Lys  
19 1 5 10  
20 <210> SEQ ID NO 2  
21 <211> LENGTH: 5  
22 <212> TYPE: PRT  
23 <213> ORGANISM: Mus musculus  
24 <400> SEQUENCE: 2  
25 Ser Tyr Trp Met Gln  
26 1 5  
27 <210> SEQ ID NO 3  
28 <211> LENGTH: 17  
29 <212> TYPE: PRT  
30 <213> ORGANISM: Mus musculus  
31 <400> SEQUENCE: 3  
32 Glu Ile Asp Pro Ser Asp Ser Tyr Thr Asn Tyr Asn Gln Lys Phe Lys  
33 1 5 10 15  
34 Gly  
35 <210> SEQ ID NO 4  
36 <211> LENGTH: 12  
37 <212> TYPE: PRT  
38 <213> ORGANISM: Mus musculus  
39 <400> SEQUENCE: 4  
40 Asn Arg Asp Tyr Ser Asn Asn Trp Tyr Phe Asp Val  
41 1 5 10  
42 <210> SEQ ID NO 5  
43 <211> LENGTH: 15  
44 <212> TYPE: PRT

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/499,662

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Input Set: I499662.RAW

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45 <213> ORGANISM: Mus musculus
46 <400> SEQUENCE: 5
47     Lys Ala Ser Gln Ser Val Asp Tyr Asp Gly Asp Ser Tyr Met Asn
48         1             5             10             15
49 <210> SEQ ID NO 6
50 <211> LENGTH: 7
51 <212> TYPE: PRT
52 <213> ORGANISM: Mus musculus
53 <400> SEQUENCE: 6
54     Ala Ala Ser Asn Leu Glu Ser
55         1             5
56 <210> SEQ ID NO 7
57 <211> LENGTH: 9
58 <212> TYPE: PRT
59 <213> ORGANISM: Mus musculus
60 <400> SEQUENCE: 7
61     Gln Gln Ser Asn Glu Asp Pro Arg Thr
62         1             5
63 <210> SEQ ID NO 8
64 <211> LENGTH: 1392
65 <212> TYPE: DNA
66 <213> ORGANISM: Mus musculus
67 <220> FEATURE:
68 <221> NAME/KEY: CDS
69 <222> LOCATION: (1)..(1392)
70 <220> FEATURE:
71 <221> NAME/KEY: mat peptide
72 <222> LOCATION: (58)..(1392)
73 <220> FEATURE:
74 <221> NAME/KEY: sig peptide
75 <222> LOCATION: (1)..(57)
76 <400> SEQUENCE: 8
77     atg gga tgg agc tgt atc atc ctc ttc ttg gta gca aca gct aca ggt      48
78     Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly
79             -15             -10             -5
80     gtc cat tct cag gtc caa ctg cag cag cct ggg gct gag ctt gtg aag      96
81     Val His Ser Gln Val Gln Leu Gln Gln Pro Gly Ala Glu Leu Val Lys
82             -1     1             5             10
83     cct ggg gct tca gtg aag ctg tcc tgc aag gct tct ggc tac acc ttc      144
84     Pro Gly Ala Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe
85             15             20             25
86     acc agc tac tgg atg cag tgg gta aaa cag agg cct gga cag ggc ctt      192
87     Thr Ser Tyr Trp Met Gln Trp Val Lys Gln Arg Pro Gly Gln Gly Leu
88             30             35             40             45
89     gag tgg atc gga gag att gat cct tct gat agc tat act aac tac aat      240
90     Glu Trp Ile Gly Glu Ile Asp Pro Ser Asp Ser Tyr Thr Asn Tyr Asn
91             50             55             60
92     caa aag ttc aag ggc aag gcc aca ttg act gta gac aca tcc tcc agc      288
93     Gln Lys Phe Lys Gly Lys Ala Thr Leu Thr Val Asp Thr Ser Ser Ser
94             65             70             75

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## RAW SEQUENCE LISTING

PATENT APPLICATION US/09/499,662

TECH CENTER 620/2000  
DATE: 05/02/2000  
TIME: 11:52:58

Input Set: I499662.RAW

95	aca gcc tac atg cag ctc agc agc ctg aca tct gag gac tct gcg gtc	336
96	Thr Ala Tyr Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val	
97	80 85 90	
98	tat tac tgt gca aga aat agg gac tat agt aac aac tgg tac ttc gat	384
99	Tyr Tyr Cys Ala Arg Asn Arg Asp Tyr Ser Asn Asn Trp Tyr Phe Asp	
100	95 100 105	
101	gtc tgg ggc aca ggg acc acg gtc acc gtc tcc tca gcc aaa acg aca	432
102	Val Trp Gly Thr Gly Thr Thr Val Thr Val Ser Ser Ala Lys Thr Thr	
103	110 115 120 125	
104	ccc cca tct gtc tat cca ctg gcc cct gga tct gct gcc caa act aac	480
105	Pro Pro Ser Val Tyr Pro Leu Ala Pro Gly Ser Ala Ala Gln Thr Asn	
106	130 135 140	
107	tcc atg gtg acc ctg gga tgc ctg gtc aag ggc tat ttc cct gag cca	528
108	Ser Met Val Thr Leu Gly Cys Leu Val Lys Gly Tyr Phe Pro Glu Pro	
109	145 150 155	
110	gtg aca gtg acc tgg aac tct gga tcc ctg tcc agc ggt gtg cac acc	576
111	Val Thr Val Thr Trp Asn Ser Gly Ser Leu Ser Ser Gly Val His Thr	
112	160 165 170	
113	ttc cca gct gtc ctg cag tct gac ctc tac act ctg agc agc tca gtg	624
114	Phe Pro Ala Val Leu Gln Ser Asp Leu Tyr Thr Leu Ser Ser Ser Val	
115	175 180 185	
116	act gtc ccc tcc agc acc tgg ccc agc cag acc gtc acc tgc aac gtt	672
117	Thr Val Pro Ser Ser Thr Trp Pro Ser Gln Thr Val Thr Cys Asn Val	
118	190 195 200 205	
119	gcc cac ccg gcc agc agc acc aag gtg gac aag aaa att gtg ccc agg	720
120	Ala His Pro Ala Ser Ser Thr Lys Val Asp Lys Lys Ile Val Pro Arg	
121	210 215 220	
122	gat tgt ggt tgt aag cct tgc ata tgt aca gtc cca gaa gta tca tct	768
123	Asp Cys Gly Cys Lys Pro Cys Ile Cys Thr Val Pro Glu Val Ser Ser	
124	225 230 235	
125	gtc ttc atc ttc ccc cca aag ccc aag gat gtg ctc acc att act ctg	816
126	Val Phe Ile Phe Pro Pro Lys Pro Lys Asp Val Leu Thr Ile Thr Leu	
127	240 245 250	
128	act cct aag gtc acg tgt gtt gtg gta gac atc agc aag gat gat ccc	864
129	Thr Pro Lys Val Thr Cys Val Val Val Asp Ile Ser Lys Asp Asp Pro	
130	255 260 265	
131	gag gtc cag ttc agc tgg ttt gta gat gat gtg gag gtg cac aca gct	912
132	Glu Val Gln Phe Ser Trp Phe Val Asp Asp Val Glu Val His Thr Ala	
133	270 275 280 285	
134	cag acg caa ccc cgg gag gag cag ttc aac agc act ttc cgc tca gtc	960
135	Gln Thr Gln Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg Ser Val	
136	290 295 300	
137	agt gaa ctt ccc atc atg cac cag aac tgg ctc aat ggc aag gag ttc	1008
138	Ser Glu Leu Pro Ile Met His Gln Asn Trp Leu Asn Gly Lys Glu Phe	
139	305 310 315	
140	aaa tgc agg gtc aac agt gca gct ttc cct gcc ccc atc gag aaa acc	1056
141	Lys Cys Arg Val Asn Ser Ala Ala Phe Pro Ala Pro Ile Glu Lys Thr	
142	320 325 330	
143	atc tcc aaa acc aaa ggc aga ccg aag gct cca cag gtg tac acc att	1104
144	Ile Ser Lys Thr Lys Gly Arg Pro Lys Ala Pro Gln Val Tyr Thr Ile	

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/499,662

DATE: 03/02/2000  
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Input Set: I499662.RAW

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145          335          340          345
146    cca cct ccc aag gag cag atg gcc aag gat aaa gtc agt ctg acc tgc 1152
147    Pro Pro Pro Lys Glu Gln Met Ala Lys Asp Lys Val Ser Leu Thr Cys
148    350          355          360          365
149    atg ata aca gac ttc ttc cct gaa gac att act gtg gag tgg cag tgg 1200
150    Met Ile Thr Asp Phe Phe Pro Glu Asp Ile Thr Val Glu Trp Gln Trp
151          370          375          380
152    aat ggg cag cca gcg gag aac tac aag aac act cag ccc atc atg aac 1248
153    Asn Gly Gln Pro Ala Glu Asn Tyr Lys Asn Thr Gln Pro Ile Met Asn
154          385          390          395
155    acg aat ggc tct tac ttc gtc tac agc aag ctc aat gtg cag aag agc 1296
156    Thr Asn Gly Ser Tyr Phe Val Tyr Ser Lys Leu Asn Val Gln Lys Ser
157          400          405          410
158    aac tgg gag gca gga aat act ttc acc tgc tct gtg tta cat gag ggc 1344
159    Asn Trp Glu Ala Gly Asn Thr Phe Thr Cys Ser Val Leu His Glu Gly
160          415          420          425
161    ctg cac aac cac cat act gag aag agc ctc tcc cac tct cct ggt aaa 1392
162    Leu His Asn His His Thr Glu Lys Ser Leu Ser His Ser Pro Gly Lys
163    430          435          440          445
164    <210> SEQ ID NO 9
165    <211> LENGTH: 464
166    <212> TYPE: PRT
167    <213> ORGANISM: Mus musculus
168    <400> SEQUENCE: 9
169    Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly
170          -15          -10          -5
171    Val His Ser Gln Val Gln Leu Gln Gln Pro Gly Ala Glu Leu Val Lys
172          -1  1          5          10
173    Pro Gly Ala Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe
174          15          20          25
175    Thr Ser Tyr Trp Met Gln Trp Val Lys Gln Arg Pro Gly Gln Gly Leu
176          30          35          40          45
177    Glu Trp Ile Gly Glu Ile Asp Pro Ser Asp Ser Tyr Thr Asn Tyr Asn
178          50          55          60
179    Gln Lys Phe Lys Gly Lys Ala Thr Leu Thr Val Asp Thr Ser Ser Ser
180          65          70          75
181    Thr Ala Tyr Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val
182          80          85          90
183    Tyr Tyr Cys Ala Arg Asn Arg Asp Tyr Ser Asn Asn Trp Tyr Phe Asp
184          95          100          105
185    Val Trp Gly Thr Gly Thr Thr Val Thr Val Ser Ser Ala Lys Thr Thr
186          110          115          120          125
187    Pro Pro Ser Val Tyr Pro Leu Ala Pro Gly Ser Ala Ala Gln Thr Asn
188          130          135          140
189    Ser Met Val Thr Leu Gly Cys Leu Val Lys Gly Tyr Phe Pro Glu Pro
190          145          150          155
191    Val Thr Val Thr Trp Asn Ser Gly Ser Leu Ser Ser Gly Val His Thr
192          160          165          170
193    Phe Pro Ala Val Leu Gln Ser Asp Leu Tyr Thr Leu Ser Ser Ser Val
194          175          180          185

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**RAW SEQUENCE LISTING**  
**PATENT APPLICATION US/09/499,662**

 DATE: 03/02/2000  
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195   Thr Val Pro Ser Ser Thr Trp Pro Ser Gln Thr Val Thr Cys Asn Val
196   190                               195                               200                               205
197   Ala His Pro Ala Ser Ser Thr Lys Val Asp Lys Lys Ile Val Pro Arg
198                               210                               215                               220
199   Asp Cys Gly Cys Lys Pro Cys Ile Cys Thr Val Pro Glu Val Ser Ser
200                               225                               230                               235
201   Val Phe Ile Phe Pro Pro Lys Pro Lys Asp Val Leu Thr Ile Thr Leu
202                               240                               245                               250
203   Thr Pro Lys Val Thr Cys Val Val Val Asp Ile Ser Lys Asp Asp Pro
204                               255                               260                               265
205   Glu Val Gln Phe Ser Trp Phe Val Asp Asp Val Glu Val His Thr Ala
206   270                               275                               280                               285
207   Gln Thr Gln Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg Ser Val
208                               290                               295                               300
209   Ser Glu Leu Pro Ile Met His Gln Asn Trp Leu Asn Gly Lys Glu Phe
210                               305                               310                               315
211   Lys Cys Arg Val Asn Ser Ala Ala Phe Pro Ala Pro Ile Glu Lys Thr
212                               320                               325                               330
213   Ile Ser Lys Thr Lys Gly Arg Pro Lys Ala Pro Gln Val Tyr Thr Ile
214   335                               340                               345
215   Pro Pro Pro Lys Glu Gln Met Ala Lys Asp Lys Val Ser Leu Thr Cys
216   350                               355                               360                               365
217   Met Ile Thr Asp Phe Phe Pro Glu Asp Ile Thr Val Glu Trp Gln Trp
218                               370                               375                               380
219   Asn Gly Gln Pro Ala Glu Asn Tyr Lys Asn Thr Gln Pro Ile Met Asn
220                               385                               390                               395
221   Thr Asn Gly Ser Tyr Phe Val Tyr Ser Lys Leu Asn Val Gln Lys Ser
222   400                               405                               410
223   Asn Trp Glu Ala Gly Asn Thr Phe Thr Cys Ser Val Leu His Glu Gly
224   415                               420                               425
225   Leu His Asn His His Thr Glu Lys Ser Leu Ser His Ser Pro Gly Lys
226   430                               435                               440                               445

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227 &lt;210&gt; SEQ ID NO 10

228 &lt;211&gt; LENGTH: 714

229 &lt;212&gt; TYPE: DNA

230 &lt;213&gt; ORGANISM: Mus musculus

231 &lt;220&gt; FEATURE:

232 &lt;221&gt; NAME/KEY: CDS

233 &lt;222&gt; LOCATION: (1)..(714)

234 &lt;220&gt; FEATURE:

235 &lt;221&gt; NAME/KEY: mat peptide

236 &lt;222&gt; LOCATION: (61)..(714)

237 &lt;220&gt; FEATURE:

238 &lt;221&gt; NAME/KEY: sig peptide

239 &lt;222&gt; LOCATION: (1)..(60)

240 &lt;400&gt; SEQUENCE: 10

241 atg gag aca gac aca atc ctg cta tgg gtg atg atg ctc tgg att cca 48

242 Met Glu Thr Asp Thr Ile Leu Leu Trp Val Met Met Leu Trp Ile Pro

243 -20 -15 -10 -5

Please Note: ggc tcc act ggt gac att gtg ctg acc caa tct cca gct tct ttg gct 96

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY  
PATENT APPLICATION US/09/499,662DATE: 03/02/2000  
TIME: 11:52:58

Input Set: I499662.RAW

Line	? Error/Warning	Original Text
370	W "N" or "Xaa" used: Feature required	Gln Xaa Gln Leu Gln Gln Pro Gly Ala Glu L
2122	W Invalid/Missing Amino Acid Numbering	
2851	W Invalid/Missing Amino Acid Numbering	
3083	W Invalid/Missing Amino Acid Numbering	
3315	W Invalid/Missing Amino Acid Numbering	